



# Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN MN,  
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

## WARM WEATHER ASSISTED CROP DEVELOPMENT

Warm, dry weather helped small grain and row crop development advance this past week, according to USDA, NASS, Minnesota Field Office. The majority of the state's spring wheat crop has now reached the jointing stage with one quarter reaching the heading stage. Producers were nearly able to finish planting sweet corn, and a significant percentage of first cutting alfalfa was completed by weeks end.

The average temperature for the week was 67.9°, 0.3° above normal. Statewide topsoil moisture supplies as of Friday, June 27<sup>th</sup> were 1 percent very short, 13 short, 81 adequate, and 5 surplus. Statewide, on average, there were 6.2 days suitable for fieldwork during the week.

As of Sunday, June 29<sup>th</sup>, the average corn height was estimated at 20 inches compared to 50 inches last year and 33 inches for the 5-year average. The average height of soybeans was 6 inches compared to 12 inches last year and 9 inches for the 5-year average.

Spring wheat was 25 percent headed compared to 77 last year and 59 average. Oats were 35 percent headed compared to 86 last year and 67 average. Barley was 21 percent headed compared to 79 last year and 57 average.

The first cutting of alfalfa reached 87 percent complete compared to 95 percent last year and 91 percent average.

As of Friday, June 27<sup>th</sup>, 71 percent of corn and 68 percent of soybeans were rated in good or excellent condition.

Seventy-nine percent of spring wheat, 82 percent of oats, and 77 percent of barley were rated in good or excellent condition.

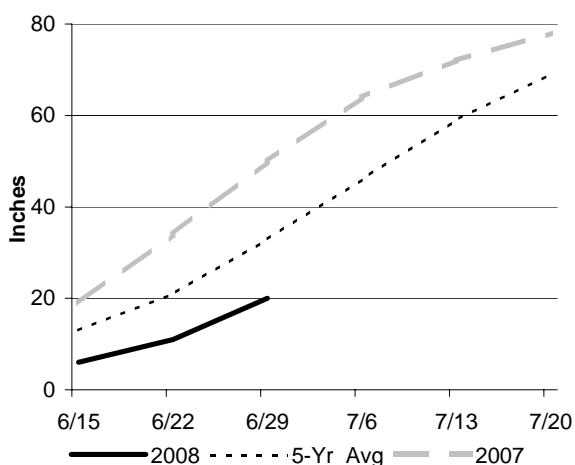
Seventy percent of green peas, 53 percent of dry beans, 62 percent of sunflowers, 59 percent of canola, 74 percent of alfalfa, and 72 percent of pasture were rated in good or excellent condition.

Days Suitable for Fieldwork: 6.2				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	1	13	81	5

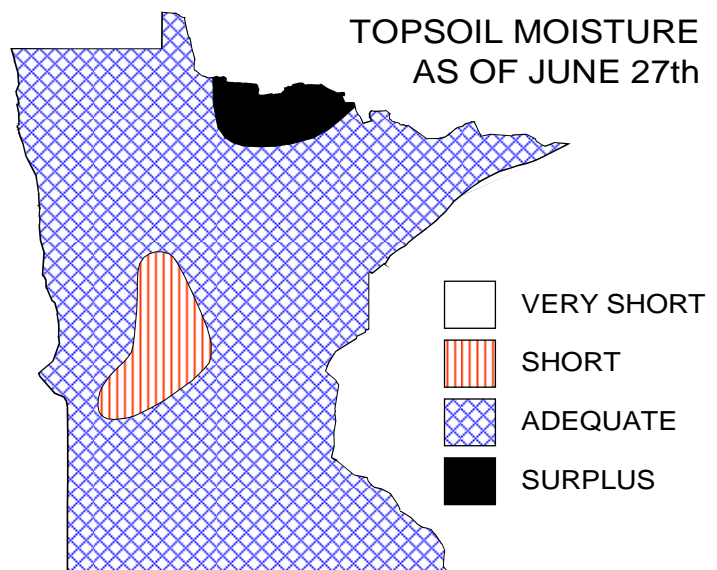
Crop Progress as of June 29, 2008					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height (inches)	20	11	50	33
Soybeans	Height (inches)	6	4	12	9
Spring Wheat	Jointing	82	50	97	90
	Heading	25	6	77	59
Oats	Jointing	84	65	98	94
	Heading	35	16	86	67
Barley	Jointing	77	55	94	86
	Heading	21	7	79	57
Sweet Corn	Planted	93	82	99	96
Alfalfa	First Cutting	87	61	95	91

Crop Condition as of June 27, 2008					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Corn	2	4	23	58	13
Soybeans	1	4	27	58	10
Spring Wheat	1	1	19	66	13
Oats	1	1	16	67	15
Barley	1	1	21	61	16
Potatoes	0	3	19	61	17
Green Peas	1	3	26	59	11
Sugarbeets	1	1	27	66	5
Dry Beans	0	6	41	48	5
Sunflowers	0	6	32	51	11
Canola	0	11	30	51	8
Alfalfa	1	1	24	60	14
Pasture	0	3	25	59	13

CORN HEIGHT  
JUNE 15 - JULY 20



TOPSOIL MOISTURE  
AS OF JUNE 27<sup>th</sup>



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING June 29, 2008:  
Temperatures averaged from 1.1 degrees below normal in the Southeast District to 1.5 degrees above normal in the North Central District. Extremes: 40 degrees in Hibbing, 90 degrees in MSP Airport, Redwood Falls, Preston. Precipitation averaged from 0.50 inch below normal in the Southeast District to 0.56 inch above normal in the Northeast District. Greatest weekly total was 2.09 inches recorded in Hibbing.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 6/23/2008 through 6/29/2008

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 14	Depart from Norm
<u>NW DIST 1</u>										
Crookston	84	51	67.2	-.2	.85	.02	.58	-1.18	529	-134
Moorhead	87	52	68.6	.4	1.31	.50	2.62	2.67	597	-93
Warroad	82	50	66.8	1.6	1.58	.66	1.25	1.34	478	-89
<u>NC DIST 2</u>										
Grand Rapids	85	49	67.6	2.3	.87	-.27	-.01	3.84	536	-41
Intl. Falls	81	43	63.8	-.0	1.75	.81	1.04	3.27	436	-103
Itasca	85	48	66.1	2.2	1.30	.27	2.69	5.25	472	-61
<u>NE DIST 3</u>										
Duluth	84	47	66.9	4.6	.86	-.17	1.09	2.54	444	-22
Grand Marais	82	44	54.7	-1.1	1.68	.86	6.32	8.46	254	-24
Hibbing	81	40	62.5	-.9	2.09	.98	.92	2.72	438	-73
<u>WC DIST 4</u>										
Alexandria	85	52	68.2	.7	1.11	.12	.88	-.27	554	-98
Browns Valley	87	50	68.8	-.7	.76	-.06	3.46	4.26	607	-119
Canby	87	51	70.2	-.7	.40	-.56	-.16	.95	668	-104
Fergus Falls	85	43	67.2	-.4	.96	.08	1.03	2.34	541	-124
Montevideo	87	49	68.6	-1.3	.37	-.60	.58	.45	642	-97
Morris	88	54	69.4	.3	.72	-.24	.58	.87	588	-131
<u>CENT DIST 5</u>										
Becker	88	52	70.7	3.3	.84	-.22	-1.33	2.12	635	-17
Collegeville	88	55	71.8	2.1	1.10	.05	1.45	3.49	658	-88
Hutchinson	89	53	70.4	.2	.94	-.09	-.80	.60	668	-87
Olivia	87	52	68.9	-.9	.92	-.11	-.23	.85	639	-107
St. Cloud	88	50	69.6	2.2	.97	-.05	.14	1.50	615	-37
Staples	84	49	67.0	1.8	.91	-.08	1.31	1.25	491	-96
Willmar	89	56	70.4	.9	.66	-.52	-1.87	-.37	633	-98
<u>EC DIST 6</u>										
Aitkin	83	48	64.0	-.5	1.88	.81	1.20	2.75	495	-56
Forest Lake	88	53	69.8	1.0	1.80	.70	-.01	2.80	649	-61
MSP Airport	90	57	73.2	2.4	.19	-.83	-1.37	-1.41	737	-35
St. Paul - UofM	87	55	72.5	1.1	.12	-1.04	-1.97	-1.40	727	-74
<u>SW DIST 7</u>										
Lamberton	88	52	70.1	-.8	.61	-.29	-.02	.06	699	-83
Pipestone	85	50	67.5	-2.0	1.26	.36	1.36	1.14	616	-106
Redwood Falls	90	53	70.2	-1.6	.80	-.17	-.64	.77	696	-124
Worthington	87	53	69.3	-.0	1.22	.17	1.05	3.16	678	-36
<u>SC DIST 8</u>										
Faribault	89	54	68.5	-1.2	.68	-.31	.08	2.13	659	-64
Mankato	89	54	69.9	-.5	.61	-.69	-1.89	-.75	675	-84
Waseca	89	54	69.6	-.3	.66	-.33	-.02	1.05	676	-74
Winnebago	89	53	69.9	-.9	1.33	.28	-.42	2.21	731	-44
<u>SE DIST 9</u>										
Preston	90	49	66.8	-2.0	.59	-.50	5.64	10.06	659	-27
Red Wing	89	56	70.3	.4	.32	-.65	.30	1.53	681	-60
Rochester	89	55	69.5	1.1	.35	-.63	3.23	4.59	719	38
Rosemount	87	55	69.6	.3	.18	-.91	-.10	.86	641	-72
Winona	88	54	68.0	-4.6	.86	-.07	2.04	5.90	669	-162

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

The MINNESOTA WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the USDA-NASS Minnesota Field Office, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

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